

Title (en)

Flexible tube of squeeze pump

Title (de)

Flexibler Schlauch für eine Quetschpumpe

Title (fr)

Tube flexible pour pompe péristaltique

Publication

EP 0889237 B1 20031105 (EN)

Application

EP 98305162 A 19980630

Priority

US 88667797 A 19970701

Abstract (en)

[origin: EP0889237A2] A squeeze type pump that transfers slurry via an elastic tube by squeezing the elastic tube with pairs of rollers to elastically deform the tube by moving each pair of squeezing rollers. The elastic tube has an outer diameter, an inner diameter, and a thickness. A ratio of the inner diameter to the outer diameter is set within a range of 0.56 to 0.72, and the thickness is set within a range of 23 to 35 mm. <IMAGE>

IPC 1-7

F04B 43/12

IPC 8 full level

F04C 5/00 (2006.01); **F04B 43/00** (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP KR US)

F04B 43/0072 (2013.01 - EP KR US); **F04B 43/1269** (2013.01 - EP KR US); **Y10S 417/90** (2013.01 - EP KR US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0889237 A2 19990107; **EP 0889237 A3 19990519**; **EP 0889237 B1 20031105**; AU 705450 B2 19990520; AU 7310398 A 19990114; CA 2241982 A1 19990101; CA 2241982 C 20040113; CN 1127621 C 20031112; CN 1208125 A 19990217; DE 69819416 D1 20031211; DE 69819416 T2 20040506; JP 3820317 B2 20060913; JP H1172091 A 19990316; KR 100302656 B1 20011122; KR 19990013493 A 19990225; NZ 330814 A 19990830; TW 433391 U 20010501; US 6168397 B1 20010102

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EP 98305162 A 19980630; AU 7310398 A 19980623; CA 2241982 A 19980630; CN 98103145 A 19980630; DE 69819416 T 19980630; JP 18287898 A 19980629; KR 19980025934 A 19980630; NZ 33081498 A 19980629; TW 88220386 U 19980630; US 88667797 A 19970701